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(72) Inventor:

HASUMI MOTOMITSU YAMAGUCHI YOKO OGURISU HIROSHI

TAMURA SHIGERU

(54) NONIONIC POWDERY DETERGENT COMPOSITION

(57) Abstract:

PURPOSE: To obtain the subject composition having excellent solubility even after preserving for a long period under severe conditions or when washing at a high temperature by mixing a specific amorphous aluminosilicate and a specific fatty acid mixture into a nonionic surfactant.

CONSTITUTION: This composition is composed of (A) 12-35wt% of a nonionic surfactant (preferably, a polyoxyethylene alkylether type having an average carbon chain length of 11-14 and an average EO adding mol number of 4-9), (B) 10-40wt% of an amorphous aluminosilicate having moisture content of 25-30wt.% when dried at 800°C for 1 hour [preferably a compound of formula I (M' is Na or K; (x) is 0.7-2; (y) is 1.8-6; (w) is a positive number)], (C) 10-30wt.% of a crystalline aluminosilicate [preferably a compound of formula II (M' is an alkali metal; M" is an alkaline earth metal changeable with Ca; (x) is 0.7-1.5; (y) is 1.8-6; (w) is a positive number)] and (D) 0.1-5wt.% of a 10-20C saturated and/or unsaturated fatty acid mixture, where the total of the components B and C is 250wt.%.

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 $= x(M_20) \cdot Al_2O_3 \cdot y(SiO_2) \cdot w(H_20)$

 $x(M'_2 0 X i x N''_0) \cdot Al_2 O_3 \cdot y(SiO_2) \cdot w(H_2 O)$

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